

FIG. 1

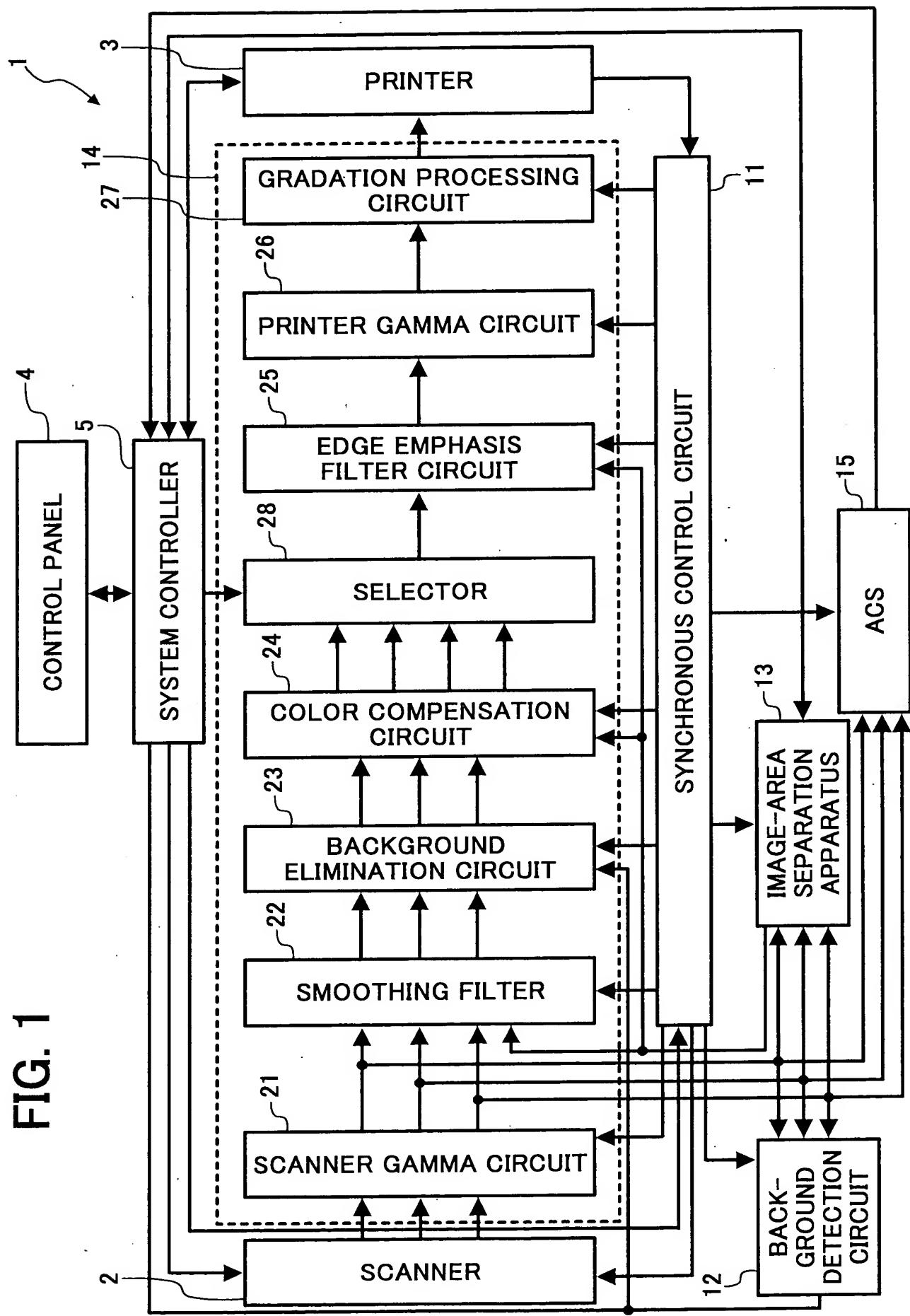


FIG. 2

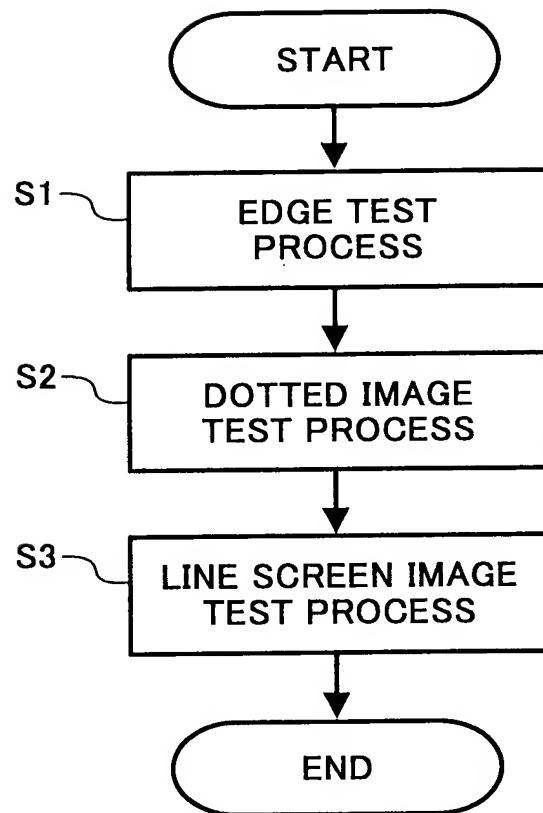


FIG. 3

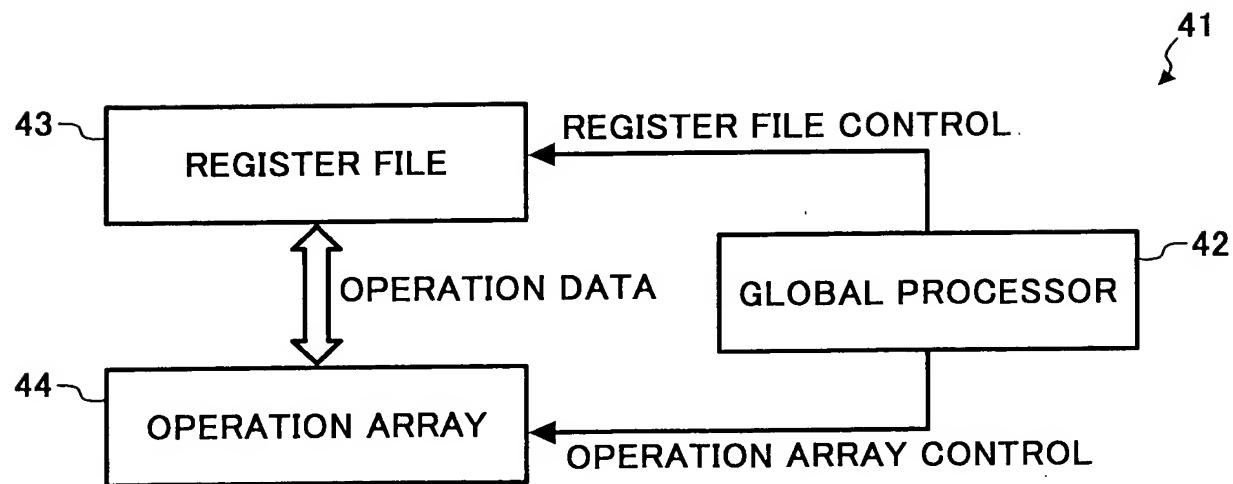


FIG. 4

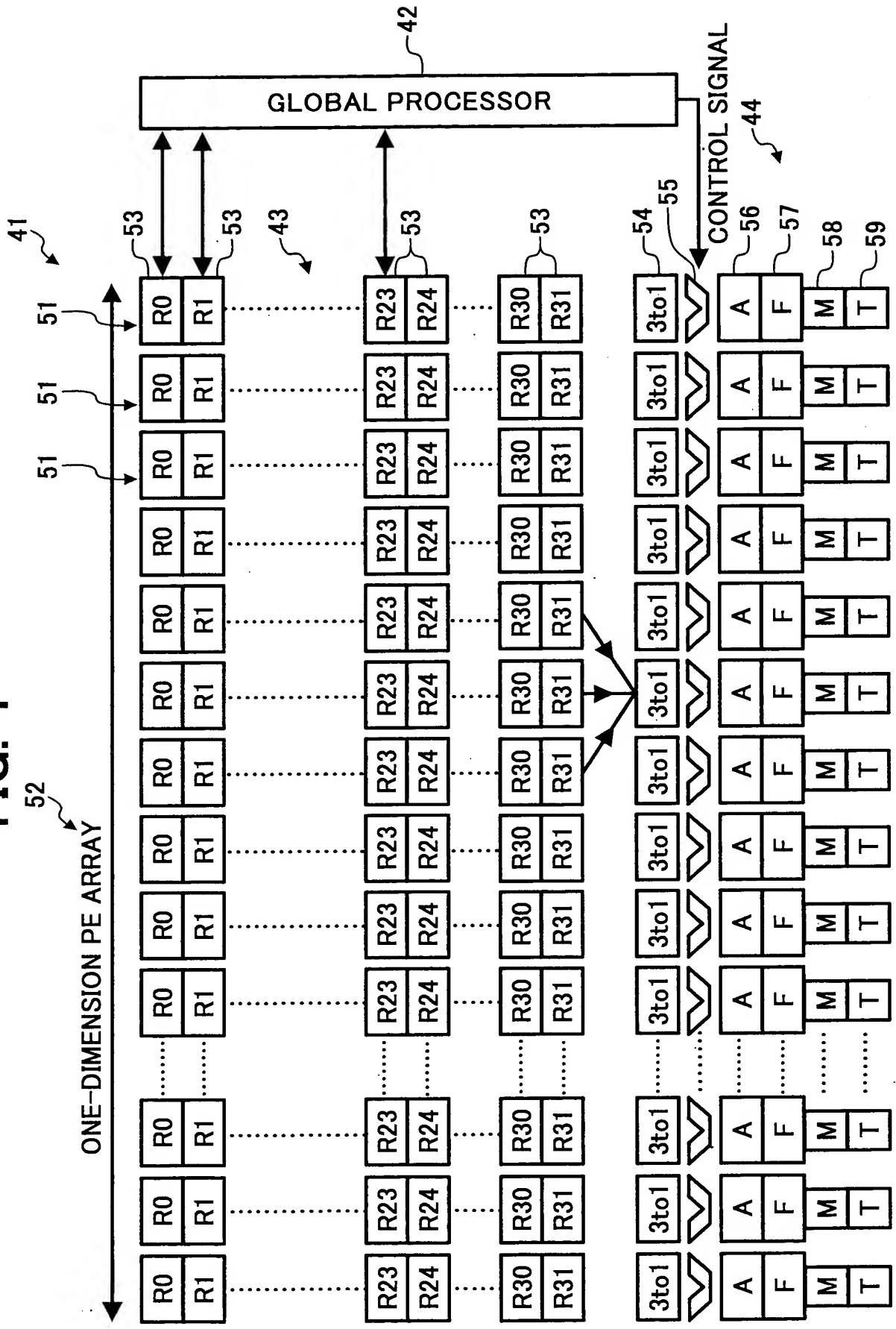


FIG. 5

f00	f01	f02
f10	f11	f12
f20	f21	f22

FIG. 6

f00	f01	f02	f03	f04
f10	f11	f12	f13	f14
f20	f21	f22	f23	f24
f30	f31	f32	f33	f34
f40	f41	f42	f43	f44

FIG. 7

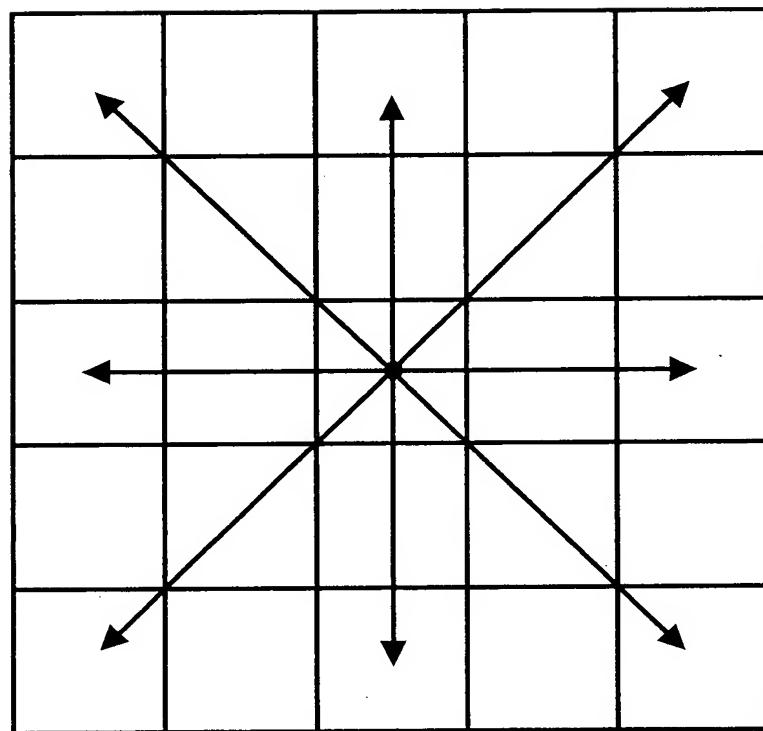


FIG. 8

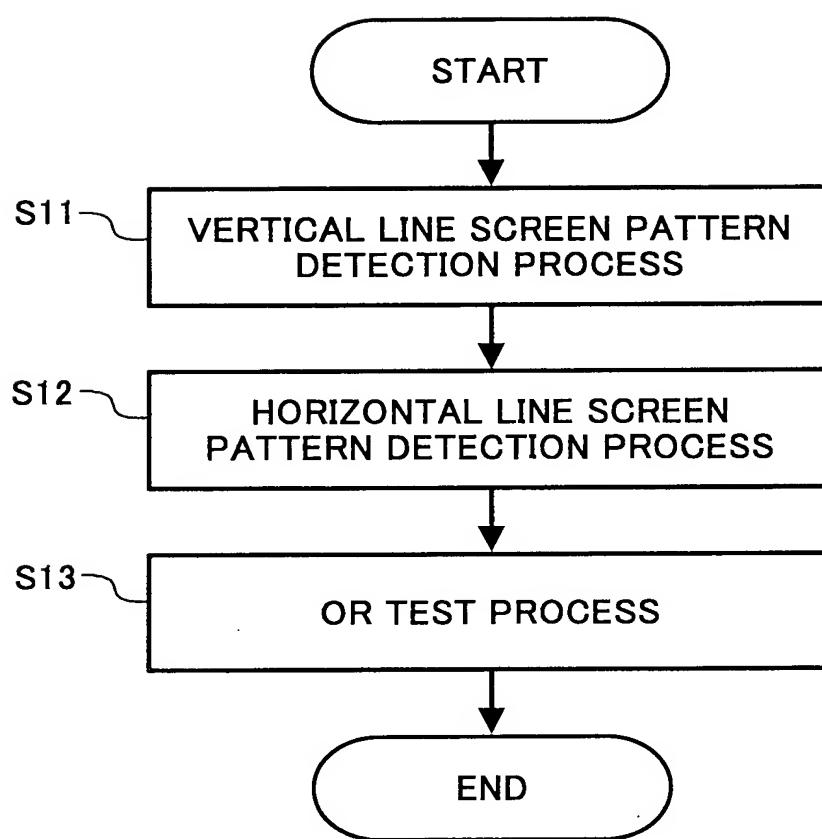


FIG. 9

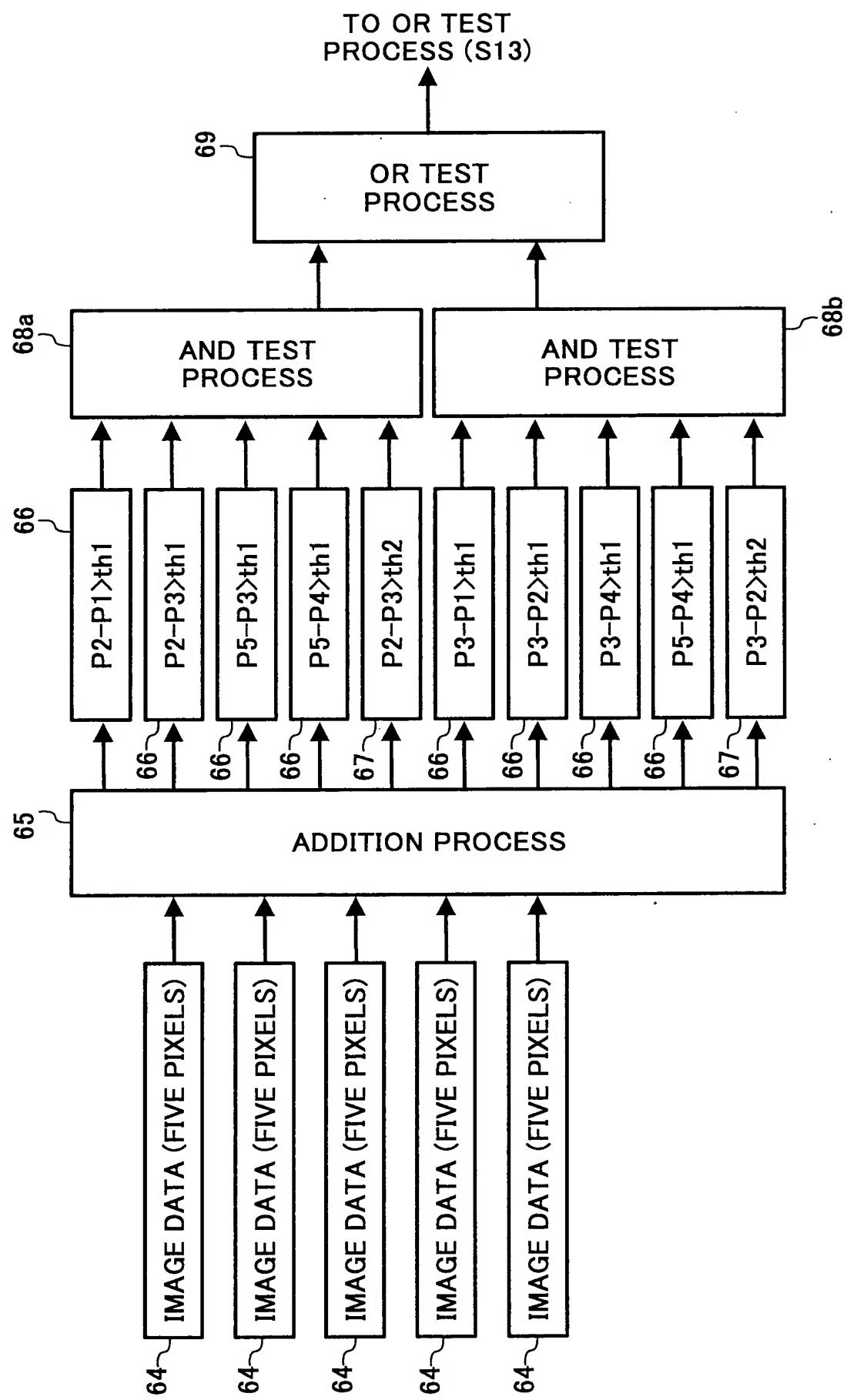


FIG. 10A

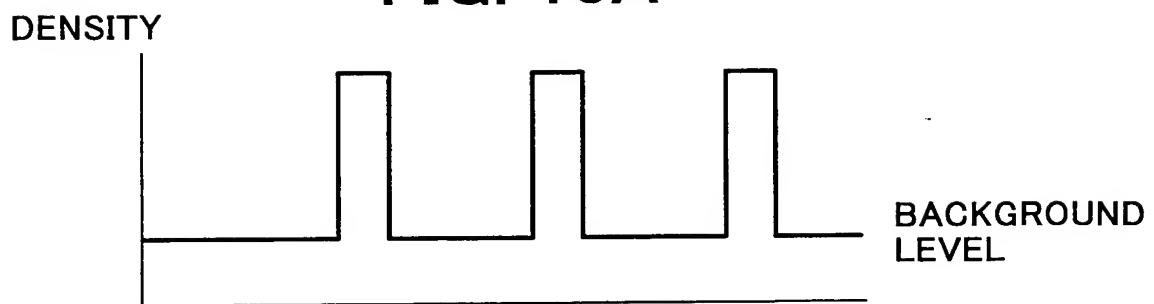


FIG. 10B

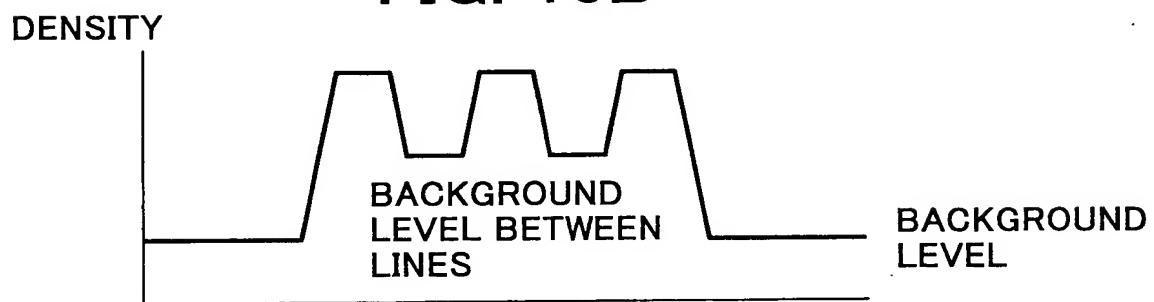


FIG. 10C

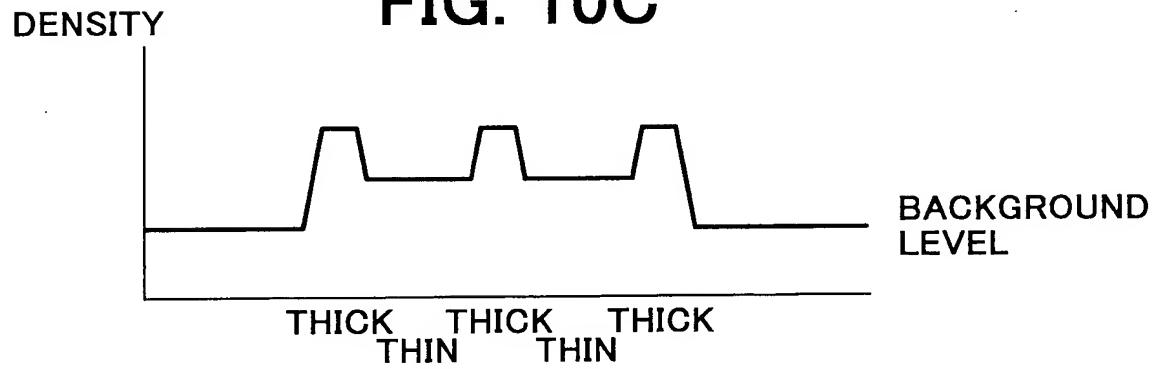


FIG. 10D

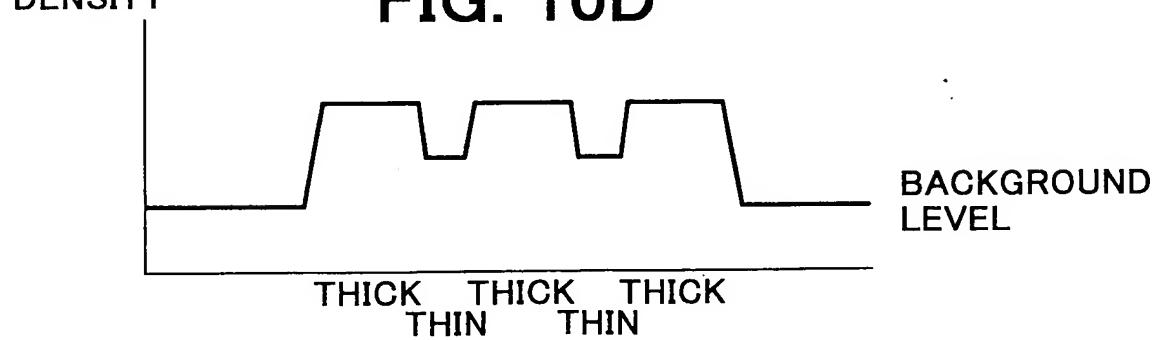


FIG. 11

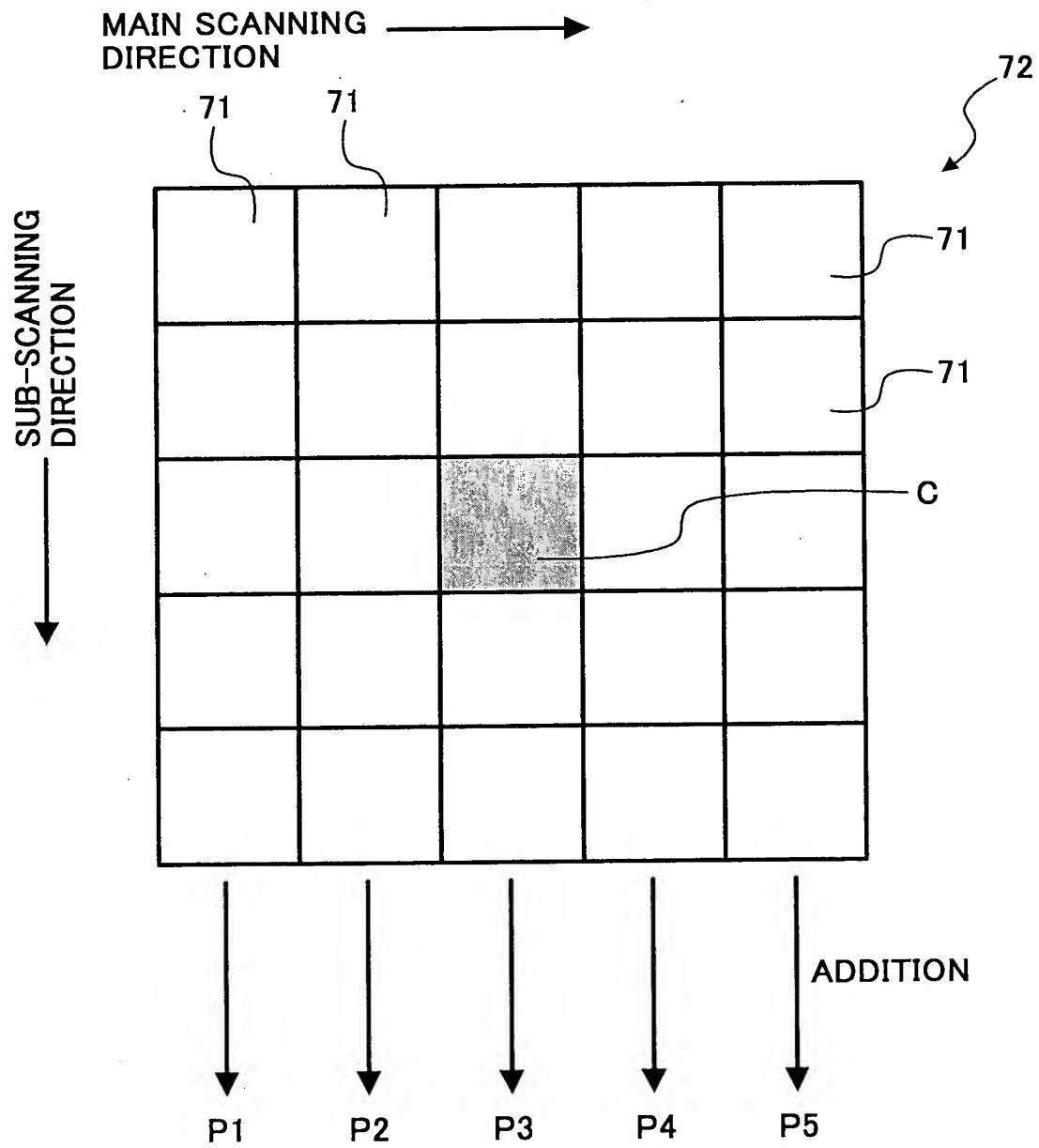


FIG. 12

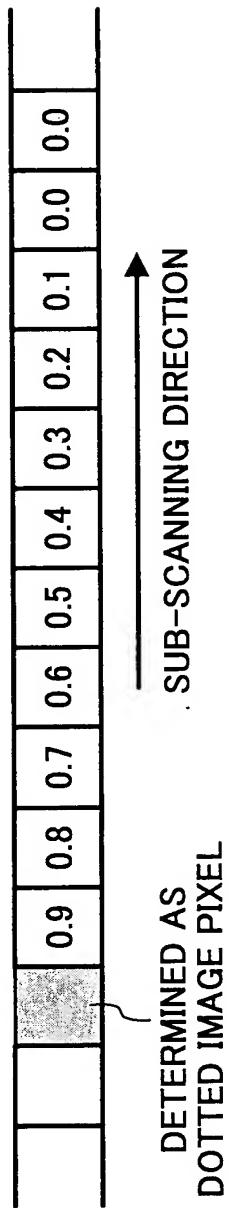


FIG. 13

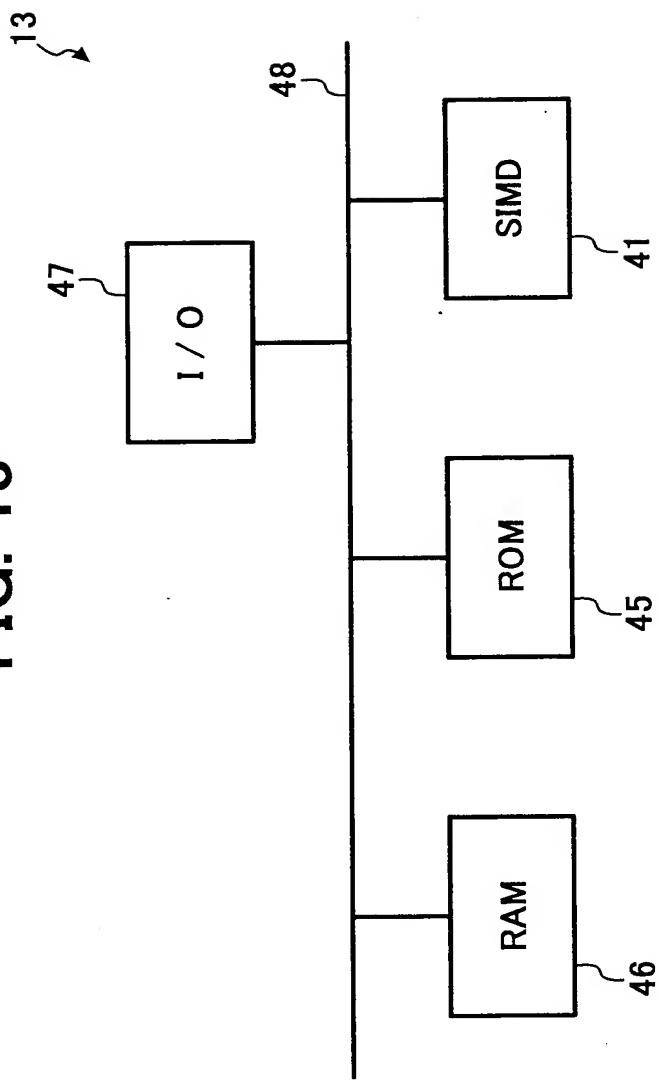


FIG. 14A

DOTTED IMAGE PIXEL

	px1	px2	px3	px4	px5	
--	-----	-----	-----	-----	-----	--

FIG. 14B

t1

	80	34	12	21	48	
--	----	----	----	----	----	--

FIG. 14C

DETERMINED AS DOTTED IMAGE BY t1

	O	x	x	x	x	
--	---	---	---	---	---	--

FIG. 14D

w

		0.9	0.8	0.7	0.6	
--	--	-----	-----	-----	-----	--

FIG. 14E

$$t1_{\text{new}} = t1 * (1+w)$$

	80	65	23	35	78	
--	----	----	----	----	----	--

FIG. 14F

DETERMINED AS DOTTED IMAGE BY $t1_{\text{new}}$

	O	x	x	x	O	
--	---	---	---	---	---	--

FIG. 15A

FIG. 15A
FIG. 15B

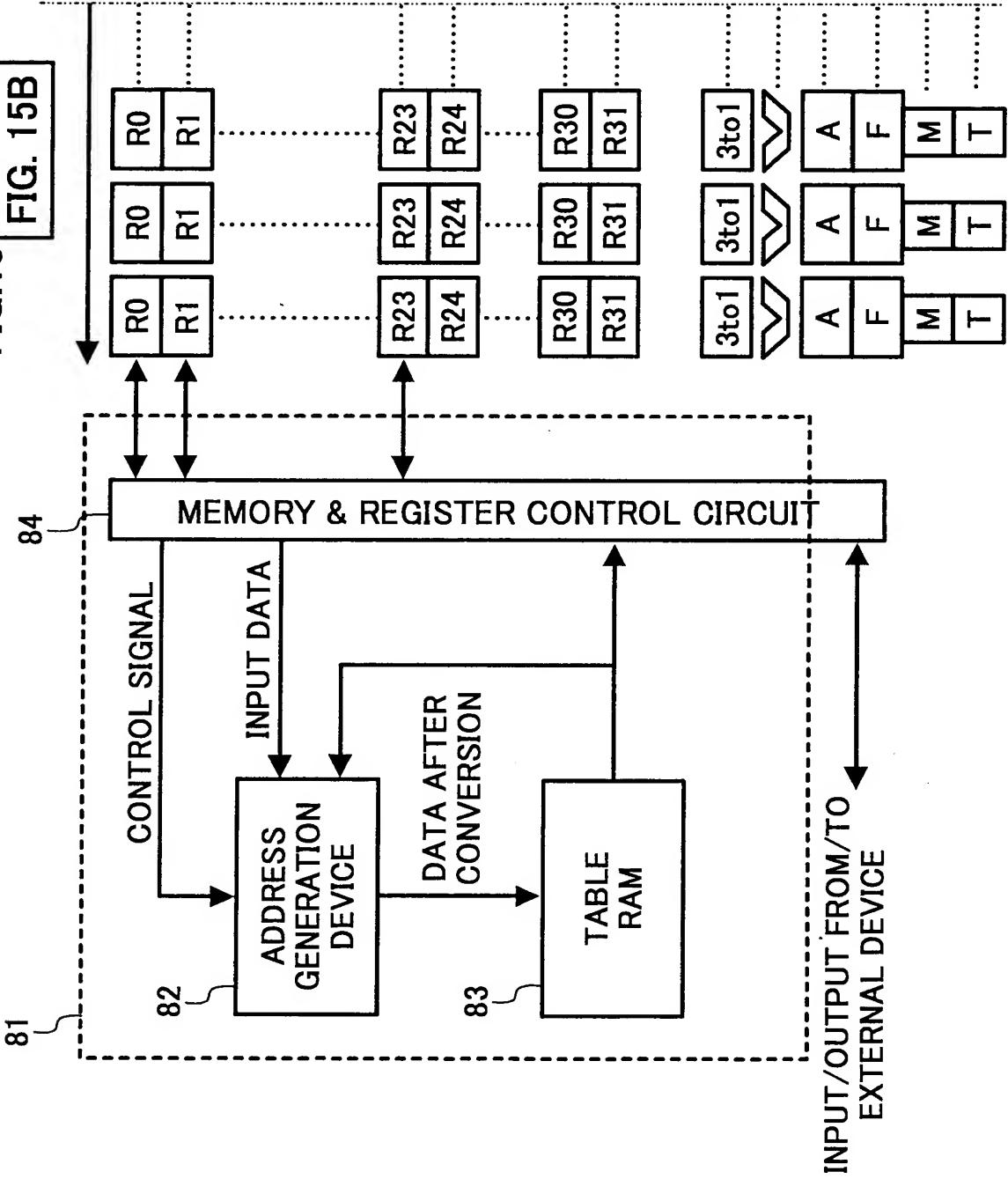


FIG. 15B

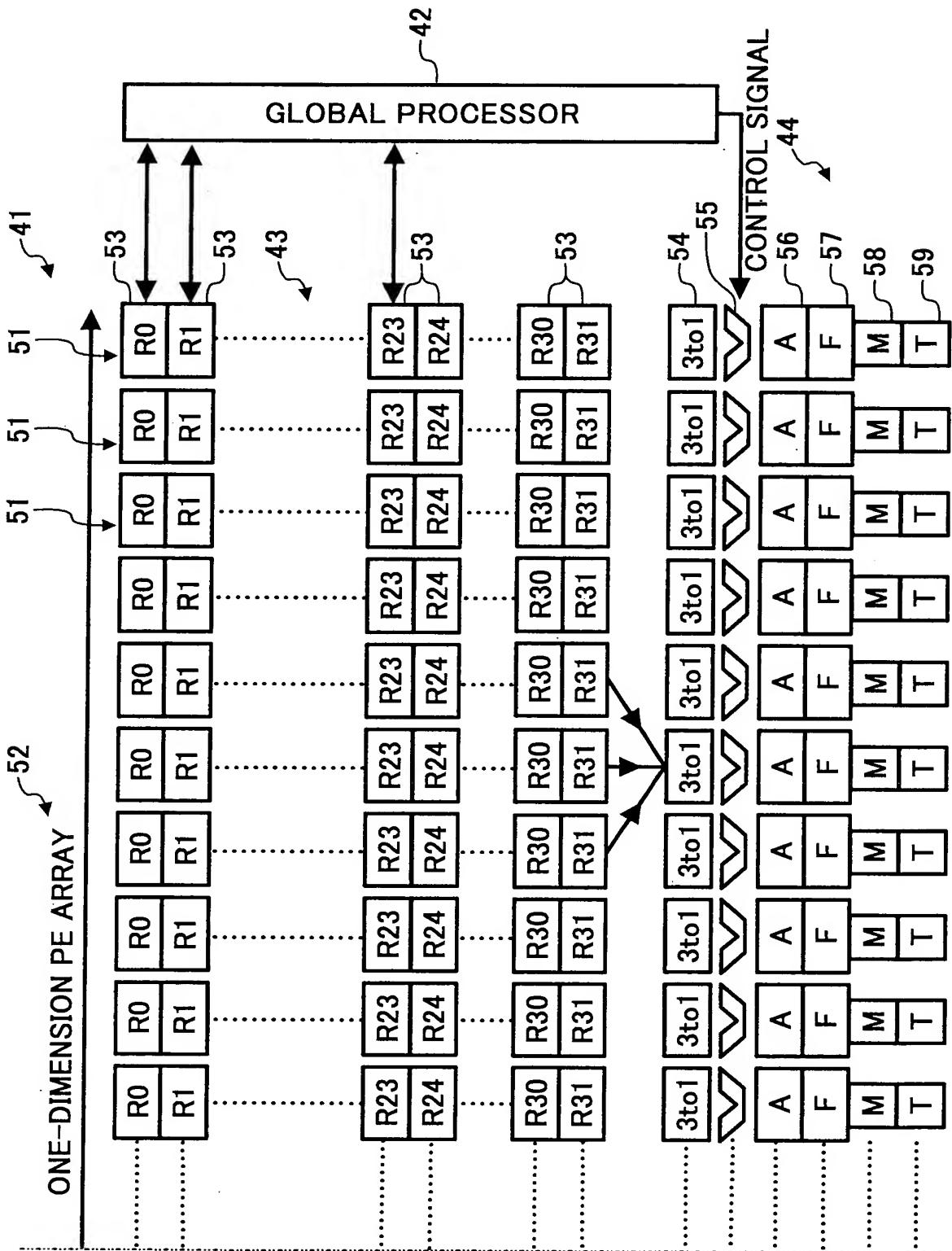


FIG. 16

STATE (4BIT)	DESCRIPTION
1010	DOTTED IMAGE TEST PIXEL BY W=0, 0t=1
1001	DISTANT BY ONE PIXEL FROM DOTTED IMAGE TEST PIXEL BY W=0.9, 0t=1
1000	DISTANT BY TWO PIXELS FROM DOTTED IMAGE TEST PIXEL BY W=0.8, 0t=1
0111	DISTANT BY THREE PIXELS FROM DOTTED IMAGE TEST PIXEL BY W=0.7, 0t=1
0110	DISTANT BY FOUR PIXELS FROM DOTTED IMAGE TEST PIXEL BY W=0.6, 0t=1
0101	DISTANT BY FIVE PIXELS FROM DOTTED IMAGE TEST PIXEL BY W=0.5, 0t=1
0100	DISTANT BY SIX PIXELS FROM DOTTED IMAGE TEST PIXEL BY W=0.4, 0t=1
0011	DISTANT BY SEVEN PIXELS FROM DOTTED IMAGE TEST PIXEL BY W=0.3, 0t=1
0010	DISTANT BY EIGHT PIXELS FROM DOTTED IMAGE TEST PIXEL BY W=0.2, 0t=1
0001	DISTANT BY NINE PIXELS FROM DOTTED IMAGE TEST PIXEL BY W=0.1, 0t=1
0000	DISTANT BY TEN OR MORE OF PIXELS FROM DOTTED IMAGE TEST PIXEL BY W=0.0, 0t=1

FIG. 17

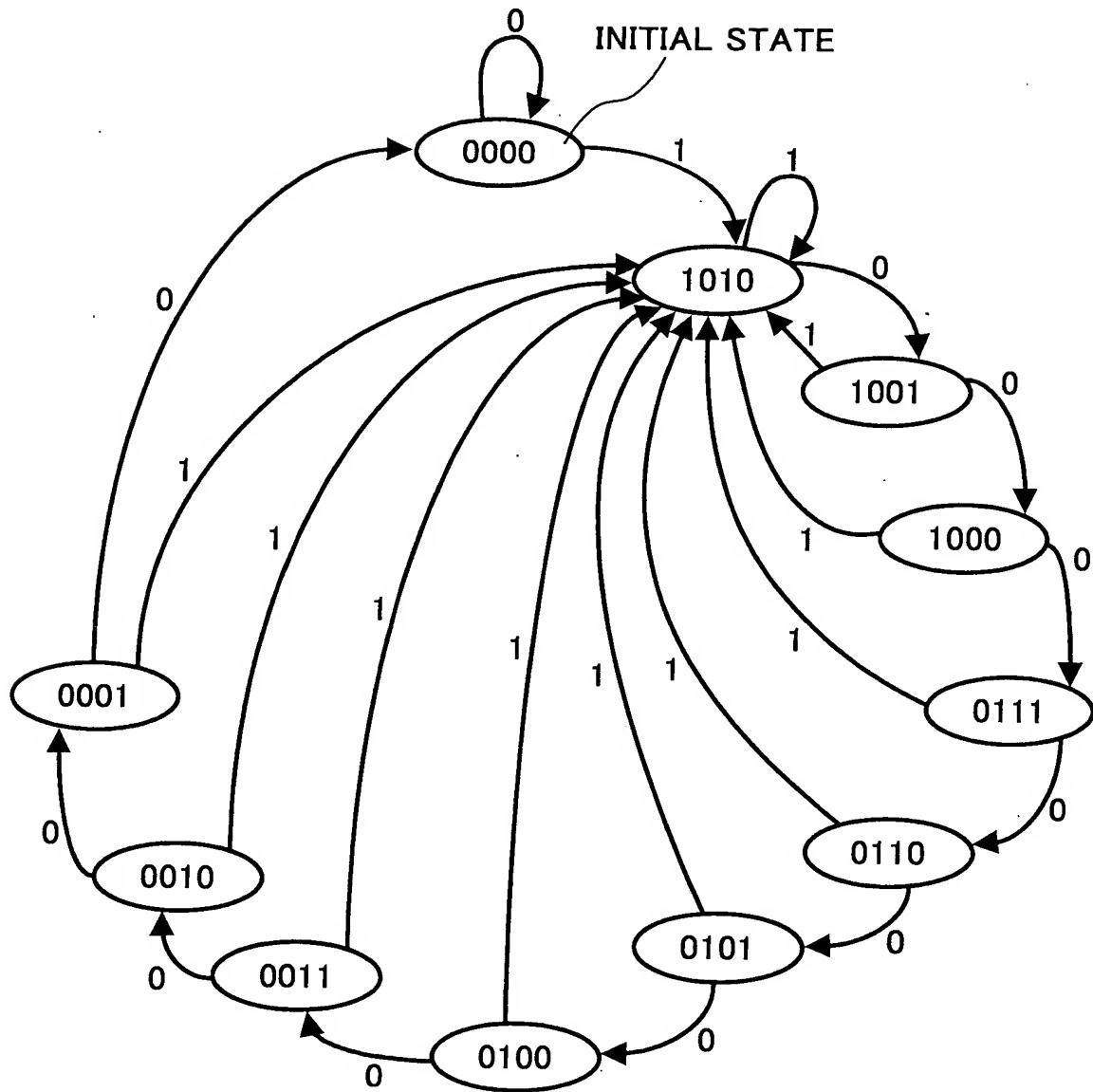


FIG. 18

RAM ADDRESS		EXPLANATION
PREVIOUS STATE	INPUT	NEXT STATE
0000	0	0000
0000	1	1010
0001	0	0000
0001	1	1010
0010	0	0001
0010	1	1010
0011	0	0010
0011	1	1010
0100	0	0011
0100	1	1010
0101	0	0100
0101	1	1010
0110	0	0101
0110	1	1010
0111	0	0110
0111	1	1010
1000	0	0111
1000	1	1010
1001	0	1000
1001	1	1010
1010	0	1001
1010	1	1010